



caBIG

*cancer Biomedical
Informatics Grid*



Genome Annotation SIG: Standards & Required Activities

Standards, Ontologies and Vocabularies

- ▶ Standards
 - Gene Naming- No existing standards
 - Pathways- BioPAX
 - Others??
- ▶ Ontologies/Vocabularies
 - HUGO
 - Gene Ontology
 - Others??

Interlinking Annotation Sources across caBIG

- ▶ Syntactic Equality
 - Life Science Identifier (LSID)- Location-independent Identifiers/Opaque identifiers
 - Identifier
 - Version
 - Global Model Exchange (GME)
 - Namespace
 - Schema name
 - Identifier
 - Version
- ▶ Semantic Equality
 - caDSR and EVS

Interlinking Annotation Sources across caBIG

► Issues

- Who will create and curate CDEs for gene/genome annotation?
- How do we manage CDE versioning?
- How do we ensure equivalent CDEs aren't created by each developer?
- How do we curate, manage, and disseminate equivalent CDEs?